

78 Pleasant Avenue, South Portland, ME

REPORT OF ANALYSIS

Vessel Jade Star  
Port/Terminal Sprague Portsmouth  
Client Reference  
Our Reference 2005-0069  
Date Sample Taken 03/23/05  
Date Submitted 03/23/05  
Date Tested 03/23/05  
Sample Designated as # 6 Fuel Oil  
Drawn By Intertek Testing Services Caleb Brett  
Representing Shore tank 1 UML composite

Lab Reference Number

U-05-00513

Test	Method	Results	Units
Gravity / Density @ 15C	ASTM D 287	13.0 / 0.9787	API @ 60F / kg/l
Flash Point	ASTM D 93	197 / 92	F / C
Viscosity at 122 F	ASTM D 445/2161	577.7 / 273	cSt / SFS
Pour Point	ASTM D 97	+37 / +3	F / C
Sediment & Water by Cent.	ASTM D 1796	0.05	% Volume
Sulfur	ASTM D 4294-98	1.30	% Weight
Ash	ASTM D 482	0.036	Weight %
Water by Distillation	ASTM D 95	0.1	% Volume
Sediment by Extraction	ASTM D .473	0.02	% Weight
Heat of Combustion	ASTM D-240	18,502	Btu/lb
Gravity	Table 8	8.155	lb/gal
Heat of Combustion	ASTM D-240	150,884	Btu/gal
Nitrogen	ASTM D-5762	0.47	Weight %
Vanadium	ASTM D-5863B	72	ppm
Sodium	ASTM D-5863B	20	ppm
Asphaltenes	IP-143	4.2	Weight %
Conradson Carbon Residue	ASTM D-189	13.0	Weight %

original signed

Walter Lach, Intertek Caleb Brett

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